

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/07062

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/00 A61K38/05 A61K38/06 A61K38/07 A61K38/04
A61P31/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, WPI Data, PAJ, EMBASE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 33654 A (UNIV MARYLAND BIOTECH INST) 15 June 2000 (2000-06-15) page 19; claims 1-34; figure 22; example XV page 10 -page 11	1-8
Y	WO 02 30455 A (SCHUBERT ULRICH, WILL HANS) 18 April 2002 (2002-04-18) claims 1-47	1-8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

30 September 2003

Date of mailing of the international search report

08/10/2003

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WIERTZ E J H J ET AL: "THE HUMAN CYTOMEGALOVIRUS US 11 GENE PRODUCT DISLOCATES MHC CLASS I HEAVY CHAINS FROM THE ENDOPLASMIC RETICULUM TO THE CYTOSOL" CELL, CELL PRESS, CAMBRIDGE, MA, US, vol. 84, no. 5, 8 March 1996 (1996-03-08), pages 769-779, XP000676592 ISSN: 0092-8674 cited in the application page 769 page 776</p>	1-8
Y	<p>SCHWARZ K ET AL: "THE SELECTIVE PROTEASOME INHIBITORS LACTACYSTIN AND EPOXOMICIN CAN BE USED TO EITHER UP- OR DOWN-REGULATE ANTIGEN PRESENTATION AT NONTXIC DOSES" JOURNAL OF IMMUNOLOGY, THE WILLIAMS AND WILKINS CO. BALTIMORE, US, vol. 164, no. 12, 15 June 2000 (2000-06-15), pages 6147-6157, XP001084253 ISSN: 0022-1767 page 6155 -page 6156</p>	1-8
A	<p>RIVETT A J ET AL: "Proteasome inhibitors: from in vitro uses to clinical trials." JOURNAL OF PEPTIDE SCIENCE: AN OFFICIAL PUBLICATION OF THE EUROPEAN PEPTIDE SOCIETY. ENGLAND SEP 2000, vol. 6, no. 9, September 2000 (2000-09), pages 478-488, XP009017987 ISSN: 1075-2617 cited in the application page 484; tables 2,5</p>	1-8

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-4
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-4

Present claims 1-4 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the specific compounds mentioned in claims 5-8.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/07062

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0033654	A	15-06-2000	AU 1930900 A WO 0033654 A1	26-06-2000 15-06-2000
WO 0230455	A	18-04-2002	DE 10051716 A1 DE 10149398 A1 AU 1813302 A CA 2425632 A1 WO 0230455 A2 EP 1326632 A2	25-04-2002 24-04-2003 22-04-2002 18-04-2002 18-04-2002 16-07-2003